Effects of *Zingiber Officinale* powder on Semen Characteristic and Blood serum sex hormones concentration in broilers Breeder Male

A. k. shanoon

Department of Animal Resources, college of Agriculture, Diyala University – Iraq

ABSTRACT

To examine the effects of *Zingiber Officinale* (ginger) powder on male reproductive therefore it was administered in feed to two groups of male broilers breeder (30wk age) at levels of 5 and 10 kg/ton, A third group was a control group (no additive). Treatment was from 24 to 36 wk. age. Ejaculate volume, sperm concentration, counts, movements, motility and abnormality, blood serum LH, FSH and testosterone concentration, were determined. The treatments caused a significant increase (P<0.05) in ejaculate volume, sperm concentration, counts, movements and a significant decrease (P<0.05) in motility and abnormality. There was also a significant increase (P<0.05) in blood serum LH, FSH and testosterone levels. Our results indicated that *Zingiber Officinale* powder possesses pro-fertility properties in male broiler which might be a product of androgenic activities.